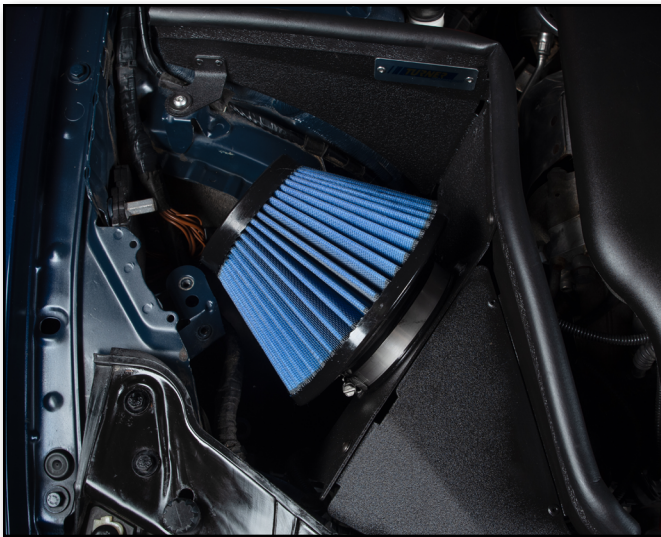




BMW E9x 335D M57 Intake System Installation Instructions



Proper service and repair procedures are vital to the safe, reliable operation of all motor vehicles as well as the personal safety of those performing the repairs. Standard safety procedures and precautions (including use of safety goggles and proper tools and equipment) should be followed at all times to eliminate the possibility of personal injury or improper service which could damage the vehicle or compromise its safety.

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Heat Shield
(QTY 1)



Intake Hose
(QTY 1)



Air Filter
(QTY 1)



Bulb Seal
(QTY 1)



Stand off
(QTY 1)



Inlet Duct
(QTY 1)



Ball stud
(QTY 1)



Grommet
(QTY 1)



Heat Shield Grommet
(QTY 1)



Hardware
(QTY 1)

INSTALLATION NOTES

- **RH** refers to the *passenger side* of the vehicle.
- **LH** refers to the *driver side* of the vehicle.
- Always use the proper torque specifications.
- If applicable to this installation, torque specifications will be listed throughout the document and at the end as well.
- Please read all of these instructions and familiarize yourself with the complete process **BEFORE** you begin.

GENERAL PREPARATION AND SAFETY INFORMATION

Turner Motorsport cares about your health and safety, please read the following safety information. This information pertains to automotive service in general, and while it may not pertain to every job you do, please remember and share these important safety tips.

- Park your car in a safe, well lit, level area.
- Shut the engine off and remove the key from the ignition switch.
- Make sure any remote start devices are properly disabled.
- **ALWAYS** wear safety glasses.
- Make sure the parking brake is applied until the vehicle is safely lifted and supported.
- Whether lifting a vehicle using an automotive lift or a hydraulic jack, be sure and utilize the factory specified lift points.
- Lifting a vehicle in an incorrect location can cause damage to the suspension/running gear.
- **ALWAYS** support the vehicle with jack stands.
- **ALWAYS** read and follow all safety information and warnings for the equipment you are using.



NEVER get underneath a vehicle that is supported only by a jack, and **ALWAYS** make sure that the vehicle is securely supported on jack stands.

REMOVING THE STOCK INTAKE SYSTEM

Step 1: T20 Torx

Remove the three screws (arrows) which secure the stock inlet duct to the core support.



Step 2:

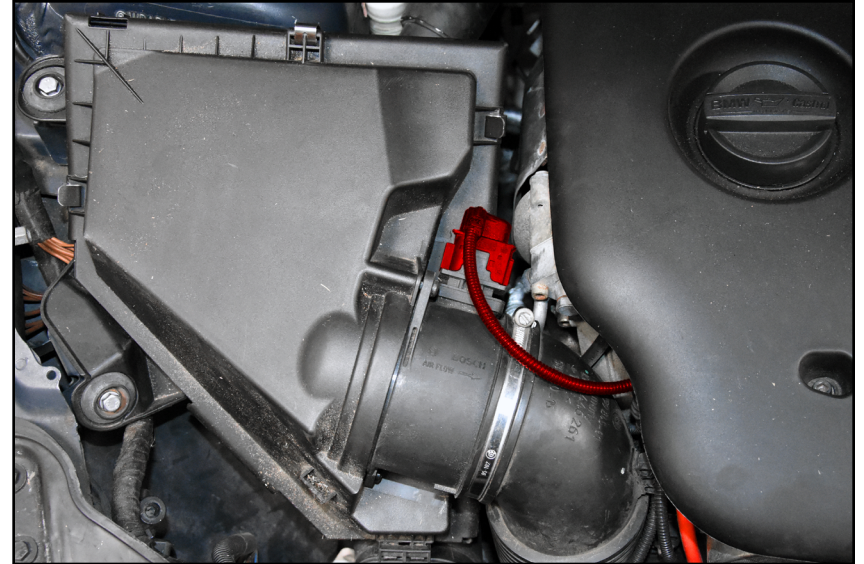
Pull the inlet duct rearward to slide it out from the core support, rotate it upward to pop it free from the factory air box, then remove it from the vehicle.



REMOVING THE STOCK INTAKE SYSTEM

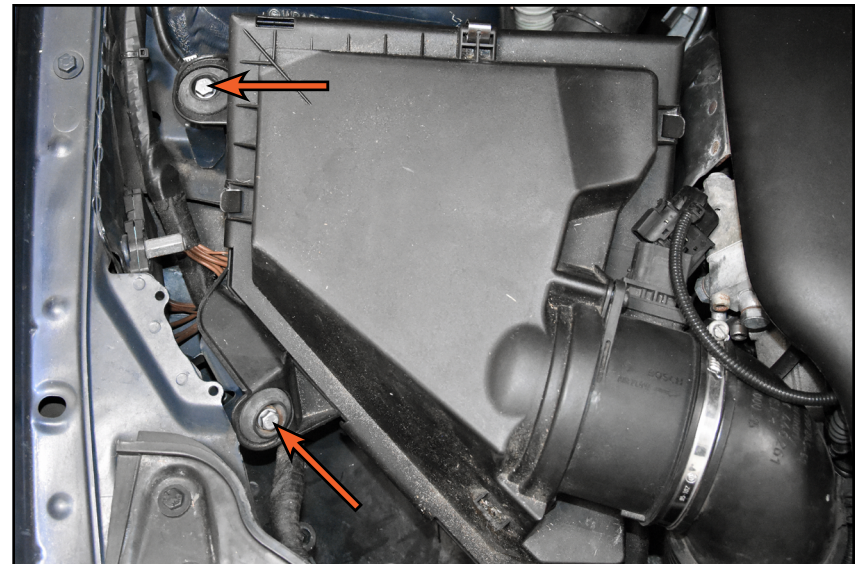
Step 3:

Depress the locking tabs on the sides of the MAF sensor connector (highlighted in **RED**) and pull it off of the MAF.



Step 4: 10mm Socket & Ratchet

Remove the two screws (arrows) which secure the air box to the vehicle.



REMOVING THE STOCK INTAKE SYSTEM

Step 5: 7mm Socket & Flat Head Screwdriver

Loosen the hose clamps (arrow) which secures the corrugated lower intake pipe to the plastic turbo inlet, then lift up on the intake pipe to pop it free.



Step 6:

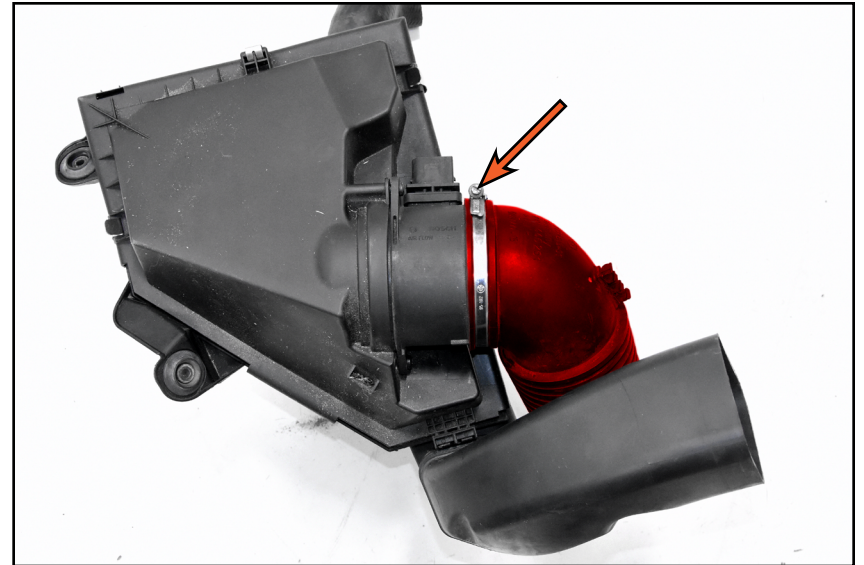
Carefully remove the factory air box from the vehicle as shown.



REMOVING THE STOCK INTAKE SYSTEM

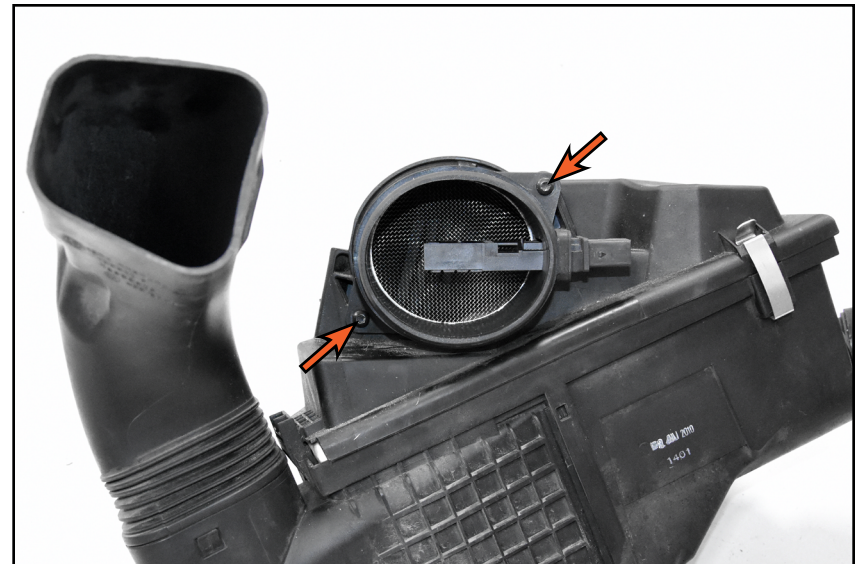
Step 7: 7mm Socket & Ratchet -OR- Flat Head Screwdriver

Loosen the clamp (arrow) and pull the intake pipe (highlighted in **RED**) off of the MAF housing.



Step 8: T25 Torx

Remove the two screws (arrows) which secure the MAF housing to the air box. Carefully pull the housing free and set it aside.



INSTALLING THE NEW INTAKE SYSTEM

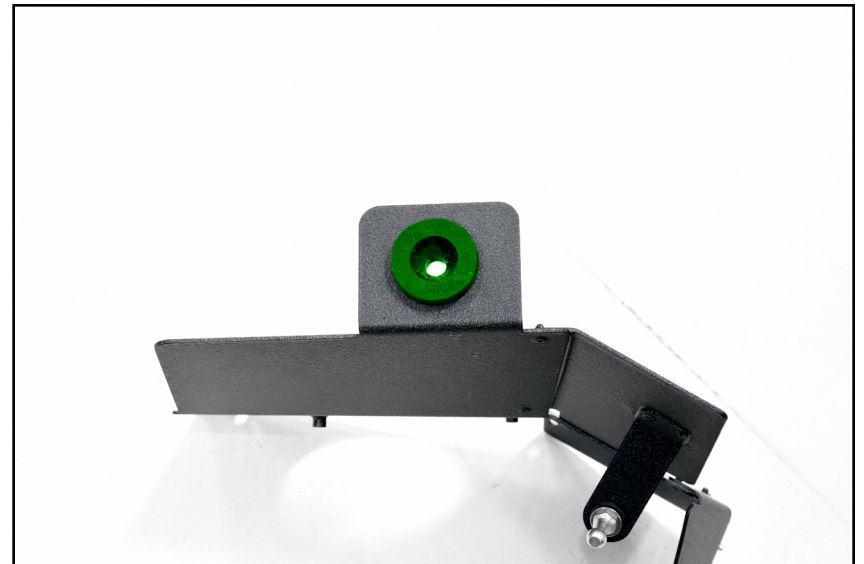
Step 1: 11mm Socket & Ratchet

Thread the provided ball stud and washer (arrow) into the new heat shield as shown until snug.



Step 2:

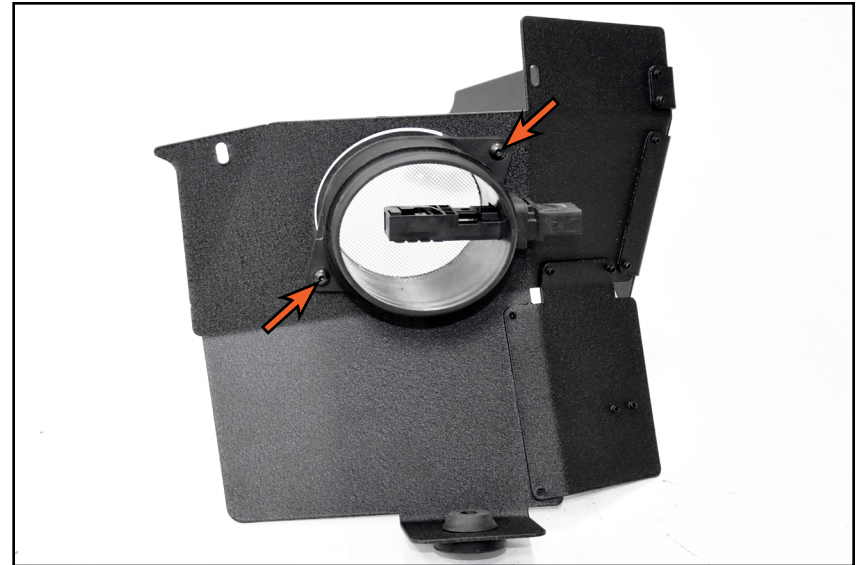
Install the provided mounting grommet (highlighted in **GREEN**) into the opening in the bottom of the heat shield as shown.



INSTALLING THE NEW INTAKE SYSTEM

Step 3: 3mm Hex (Allen)

Transfer the MAF housing to the new heat shield and secure it in place with two of the provided M5 x 16mm screws (arrows).



Step 4:

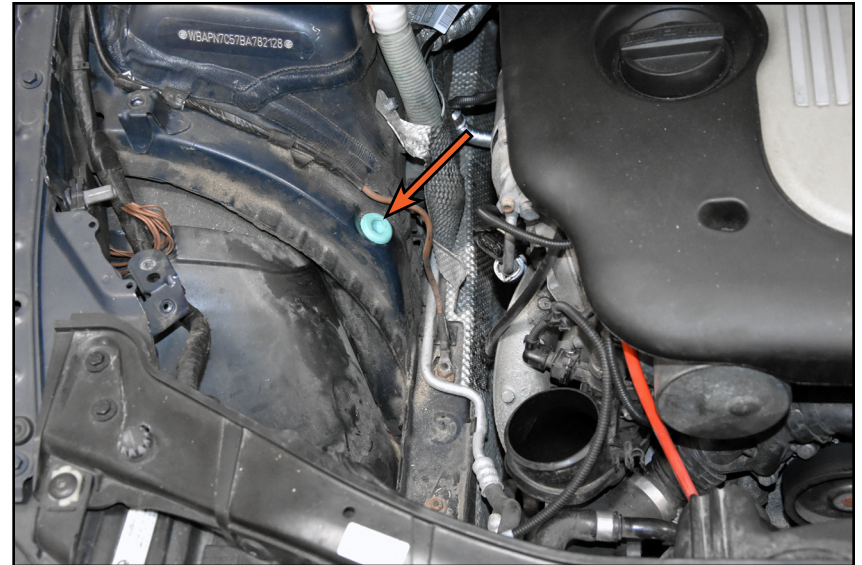
Slide the intake hose onto the end of the MAF housing as shown, but leave the clamps loose for now.



INSTALLING THE NEW INTAKE SYSTEM

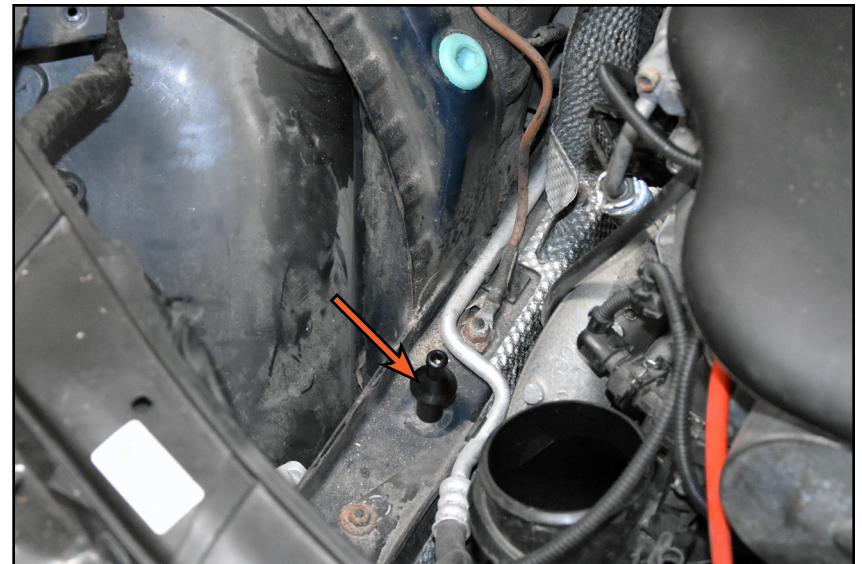
Step 5:

Install the provided blue grommet (arrow) into the opening on the vehicle as shown.



Step 6: 6mm Hex

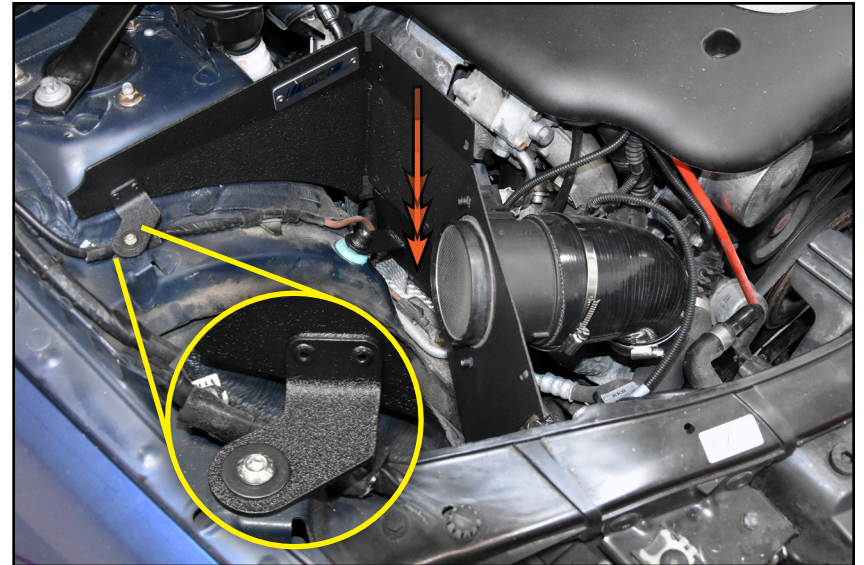
Install the provided standoff (arrow) onto the stud on the frame rail as shown.



INSTALLING THE NEW INTAKE SYSTEM

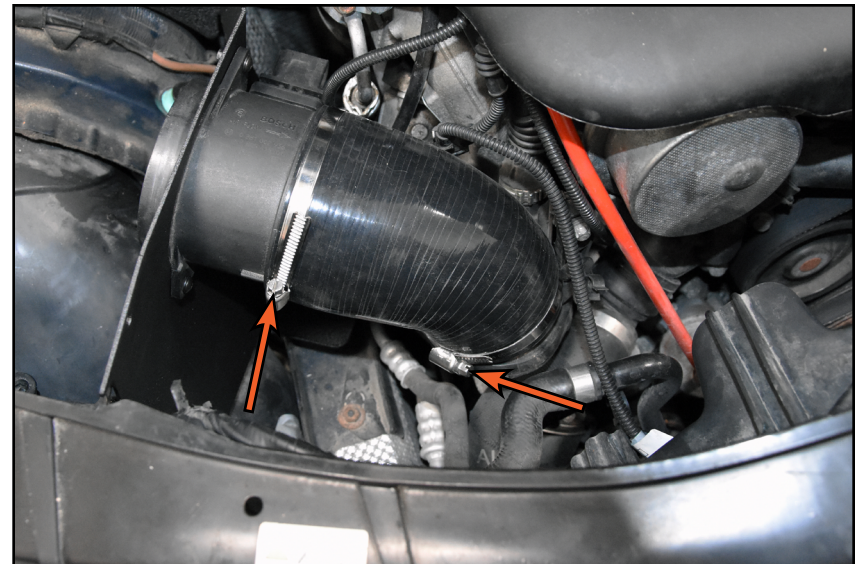
Step 7: 3mm Hex (Allen)

Line up the ball stud and mounting grommet on the heat shield with the mounting grommet and standoff on the vehicle and push down to pop them into place. Install the provided M6 screw and washer to secure the heat shield to the vehicle (inset photo).



Step 8: 7mm Socket & Ratchet -OR- Flat Head Screwdriver

Slide the intake hose onto the turbo inlet, rotate the hose until you are satisfied with its fitment, then fully tighten the clamps (arrows).



INSTALLING THE NEW INTAKE SYSTEM

Step 9:

Reconnect the MAF sensor connector (highlighted in **GREEN**).



Step 10:

Install the provided clip nuts (arrows) onto the front tabs on the new inlet duct as shown.



INSTALLING THE NEW INTAKE SYSTEM

Step 11: 3mm Hex (Allen)

Install the inlet duct into the core support using the provided M5 x 20mm screws and washers (arrows) to secure it in place.



Step 12: 3mm Hex (Allen)

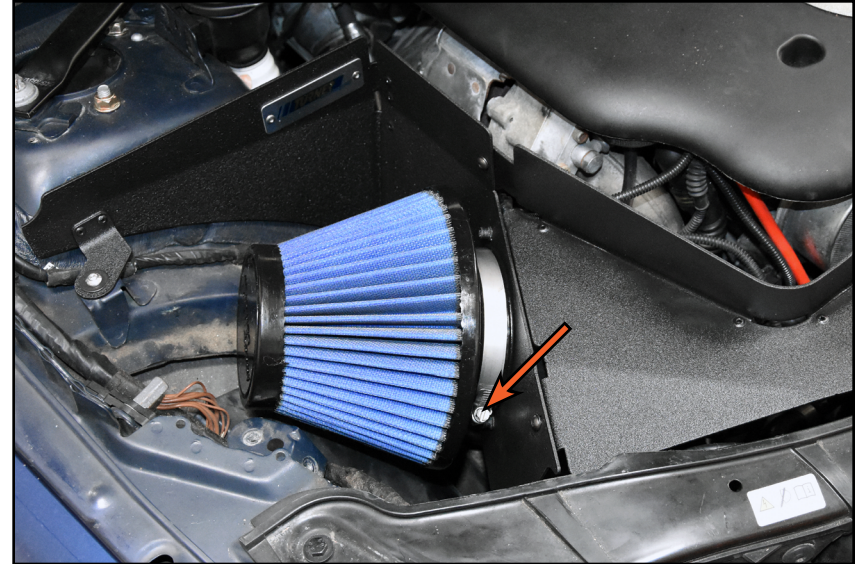
Adjust the inlet until you are satisfied with its fitment, then use the two remaining M5 x 16mm screws and washers (arrows) to secure it to the main heat shield.



INSTALLING THE NEW INTAKE SYSTEM

Step 13: 8mm Socket & Ratchet -OR- Flat Head Screwdriver

Slide the air filter onto the end of the MAF sensor and tighten the clamp (arrow) until snug to secure it in place.



Step 14:

Apply the provided bulb seal (highlighted in **GREEN**) along the top of the heat shield. This will help seal the intake to the hood, making it more air-tight.



Be sure to trim off any excess length of bulb seal for a clean appearance.



Congratulations, your installation is complete!

Your Intake System installation is complete!



These instructions are provided as a courtesy by Turner Motorsport

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